

**REMARKS**

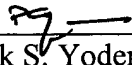
Reconsideration of the application as amended is respectfully requested. The Examiner has restricted examination of claims 1-50 in this application. Specifically, the Examiner restricted claims 1-4 to Group I as being drawn to sensing rub condition on turbomachine, claims 5-10 to Group II as being drawing rub condition on turbomachine using shell metal temperature differences, claims 11, 12, 34 and 35 to Group III as being drawing to rub condition on turbomachine using rotor speed with first and second circital speed, claims 13-16 to Group IV as being drawing to rub condition on turbomachine using low pressure bearing vibration, claims 17 and 40 to Group V as being drawing to rub condition on turbomachine using vibration and high differential expansion, claim 18 to Group VI as being drawing to rub condition on turbomachine obtaining data on turning gear behavior, claims 19 and 42 to Group VII as being drawing to rub condition on turbomachine using startup analysis, claims 20 and 43 to Group VIII as being drawing to rub condition on turbomachine using fixed speed with no load, claims 21-16 to Group IX as being drawing to rub condition on turbomachine using standard deviation greater than limits, claim 27 to Group X as being drawing to rub condition on turbomachine using response to critical speed with load, claims 28-33 to Group XI as being drawing to rub condition on turbomachine using constant speed with no load, claim 41 to Group XII as being drawing to rub condition on turbomachine using abnormal vibration in shutdown, claims 36-39 and 44-49 to Group XIII as being drawing to rub condition on turbomachine using low pressure bearing with standard deviation abnormal vibration, and claim 50 to Group IVX as being drawing to rub condition on turbomachine unsteady state vibration determination to Group.

Although Applicants do not necessarily agree with the Examiner's reasons for restriction, Applicants elect to prosecute claims 1-4 of Group I. Therefore, Applicants have canceled claims 5-50 without prejudice for possible inclusion in a divisional application. This election is made without traverse.

If the Examiner believes that a telephonic interview will help speed this application toward issuance, the Examiner is invited to contact the undersigned at the telephone number listed below.

Respectfully submitted,

Date: 5/9/2005

  
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